LINAC SHIELDING II

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This is an updating and correction to FN-129 (April 2, 1968). Since April 4, 1968, an event took place which required redrawing curve (6.2.4) of FN-129.

K. O'Brien (H.A.S.L.) and R. G. Alsmiller (ORNL) made a careful comparative study of two independent neutron shielding calculations. This consisted in the solution of a well defined problem. Their answers agreed within 20% (This is vague but I do not yet have more details!). Hence, the safety factor in the shield designed was lowered from 3 to 2, or 1.2×10^{-4} rem/hr.